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PATENT

SEP 2 9 2006 W

033082M342

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Shigeo ASHIGAKI, et al.

U.S. Serial No.: 10/591,345 Group Art Unit: To Be Assigned

Filed: : August 31, 2006 Examiner: To Be Assigned

For: PEELING-OFF METHOD AND REWORKING METHOD OF RESIST FILM

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. 1.56, Applicants are enclosing an Information Disclosure Citation Form (PTO-1449) and copies of the documents cited.

Applicants' comment on the documents listed on the enclosed Form PTO-1449 as follows. Documents AA and AQ have proposed to use a Si-C film of a multi-layer structure having an antireflective function and a hard-mask function, as explained in Applicants' specification. Documents AH and AI have disclosed that sulfuric acid and hydrogen peroxide aqueous solution are used in general in a peeling-off step of the photo-resist film in a reworking process, also as explained in Applicants' specification.

Document AJ has disclosed that a thinner is used as a rinse liquid to be supplied for removing a resist film on a wafer edge. Document AK has disclosed that a resist film in an edge section of a substrate is removed by an edge rinse wherein a resist film remover such as a thinner is used immediately after spreading of the resist film. Lastly, document AL has disclosed that a thinner removes a several mm resist film from the periphery section.

It is respectfully requested that the cited documents be considered by the Examiner in the above-identified patent application and that the cited documents be made officially of record therein. It is further requested that a listing of the same appear on the face of any patent which may issue from this application.

This Information Disclosure Statement is being filed in advance of the receipt of a first Office Action in this application. Therefore, it is believed that no fees are due under 37 C.F.R. Section 1.97(b)(3).

> Respectfully submitted, SMITH, GAMBRELL & RUSSELL, LLP

By:

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September 29, 2006

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FORM PTO-1449
INFORMATION LOSURE STATEMENT

ATTY. DOCKET
033082M342

SERIAL NO.
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10/591,345

APPLICANT:
Shigeo ASHIGAKI, et al.
FILING DATE
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U.S. PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS		FILING DATE, IF APPROPRIATE
AA	6,316,167	11/13/01	Angelopoulos et al.			
AB						
AC	· ·					
AD						
AE						
AF		2 30,30				
AG						
	AB AC AD AE AF	NUMBER AA 6,316,167 AB AC . AD AE AF AF	NUMBER AA 6,316,167 11/13/01 AB AC . AD AE AF	NUMBER AA 6,316,167 11/13/01 Angelopoulos et al. AB AC AD AB AD AE AF AF	NUMBER AA 6,316,167 11/13/01 Angelopoulos et al. AB AC AB AC AD AB AE AF	NUMBER CLASS AA 6,316,167 11/13/01 Angelopoulos et al. AB AC AD AD AD AE AF AF AF AF

FOREIGN PATENT DOCUMENTS

*Examiner's		DOCUMENT	DATE	COUNTRY	CLASS	SUB-	TRANSLATION	
Initials		NUMBER				CLASS	YES	NO
	AH	05-021334	1/29/93	Japan			X	
	AI	06-291091	1/18/94	Japan			Х	
	AJ	11-016804	1/22/99	Japan			Х	
	AK	2000-147790	5/26/00	Japan			Х	
	AL	2000-156339	6/6/00	Japan			Х	
	АМ		***					
	AN						-	
	AO						-	
	AP		7				(F == T)	VI 7.1
	AP				O.A.	f		

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)

	_	THERE IN ORIMATION (Moldaling Addition, Theo, Bato, Forthford Edges, Etc.)
		K. Babich, et al., "Novel ARC/Hardmask Technology for 65 nm CMOS Device Patterning", IEDM Tech. Dig., 3 pages (2003)
	AR	
	AS	
EXAMINER:		DATE CONSIDERED:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.